

## **H. NICHOLAS CARRASCO**

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### **EDUCATION:**

#### **University Of Miami**

Coral Gables, FL

*MS, Electrical and Computer Engineering*

Jan. 2002 - Dec. 2004

#### **University Of Miami**

Coral Gables, FL

*BS, Computer Engineering*

Aug. 1997 - May 2001

- Software Engineering
- Object-Oriented Software Engineering
- Data Structures in C++
- Computer Operating Systems, Programming Languages, Architecture
- Unix Programming
- Internet/Intranet Security
- **Senior Project:** A multi-tiered web application for the display of Hurricane Storm Tracks.

### **WORK EXPERIENCE:**

#### **Atlantic Oceanographic and Meteorological Laboratory/NOAA**

#### **Cooperative Institute for Marine and Atmospheric Science/UMIAMI**

Virginia Key, FL

*Research Associate: Computer Scientist*

Oct. 1997 - Current

- Software development of scientific algorithms.
- Near-real-time data collection of Meteorological Hurricane data.
- System management of diverse network including legacy hardware and operating systems.

### **COMMUNITY INVOLVEMENT:**

#### **Temple Samu-El Or Olom, Miami, FL**

*General Board Member*

June 2003 - Current

#### **Temple Samu-El Or Olom, Miami, FL**

*Education Committee Member*

Jan. 2001 - Current

#### **National Ocean Science Bowl, South Florida**

*Judge for Florida Regional and National Competitions*

Feb. 2000, 2001, 2002

### **PUBLICATIONS:**

- Mark D. Powell, D. Bowman, D. Gilhousen, S. Murillo, N. Carrasco, R. St.Fleur, *Tropical Cyclone Winds at Landfall: The ASOS-CMAN Wind Exposure Documentation Project*, Bulletin of the American Meteorological Society, 2004
- Otero, Sonia, N. Morisseau-Leroy, N. Carrasco, M.D. Powell, *A Distributed Real-Time Hurricane Wind Analysis System* Preprints 24<sup>th</sup> Conference on Hurricanes and Tropical Meteorology, Ft. Lauderdale, FL. American Meteorological Society, 2000, pp197-198

### **AWARDS:**

- NOAA TECH 2002 Award for: "Best Technology Transfer to Operations"
- NOAA TECH 2000 Award for: "Best Java Implementation"